IN THE CLAIMS

Please amend the claims as follows.

- (Currently amended) A polymer of Claim 7, wherein said polymer has an average cationic charge density of 2.77 or less units per 100 daltons molecular weight at a pH of from [[about]] 4 to [[about]] 12.
- (Currently amended) A polymer according to Claim 1, wherein said polymer is a suds/foam stabilizer having an average cationic charge density from about 0.01 to about 2.75 units per 100 daltons molecular weight at a pH of from [[about]] 4 to [[about]] 12
- (Currently amended) A polymer according to Claim 1, wherein said polymer has a hydroxyl group density of from [[about]] 0.5 or less as measured by the Hydroxyl Group Density Equation.
- (Currently amended) A polymer according to Claim 1, wherein said polymer comprises:
 - iv) units capable of having an anionic charge at a pH of from [[about]]4 to [[about]] 12;
 - v) units capable of having an anionic charge and a cationic charge at a
 pH of from [[about]] 4 to [[about]] 12;
 - vi) units having no charge at a pH of from [[about]] 4 to [[about]] 12; and
 - vii) mixtures of units (iv), (v), (vi), and (vii).

(Cancelled).

- (Currently amended) A polymer consisting essentially of:
- A. at least one cationic monomeric unit A, capable of having a cationic charge at a pH in the range of from [[about]] 4 to [[about]] 12, having a Formula I:

$$-\left(\operatorname{CH}_{2} - \left(\begin{array}{c} \operatorname{R}^{1} \\ \operatorname{C} \\ \operatorname{R}^{2} \end{array} \right) \right)$$

wherein

R1 is H or an alkyl having 1 to 10 carbon atoms.

R2 is a moiety selected from the group consisting of

$$\begin{pmatrix} R^{3} & & & \\ (CH_{2})_{c} & & C=0 \\ & & & \\ N & & \\ N & & &$$

wherein R3 is selected from the group consisting of

$$-O-$$
 , $-C-$, and $-C-O-$

a is an integer from 0 to 16; b is an integer from 2 to 10, c is an integer from 2 to 10; d is an integer from 1 to 100.

R4 and R5 are independently selected from the group consisting of -H, and

R⁸ is independently selected from the group consisting of a bond and an alkylene having

1 to 18 carbon atoms;

 $\rm R^{9}$ and $\rm R^{10}$ are independently selected from the group consisting of -H, alkyl having 1 to 10 carbon atoms;

 R^{12} and R^{13} are independently selected from the group consisting of H and alkyl having from 1 to 10 carbon atoms:

wherein x is an integer from 2 to 10;

B. at least one monomeric unit B selected from the group consisting of:

wherein n is an integer from 1 to 50; and

C. optionally at least one monomeric unit C selected from the group consisting of:

wherein R25 is -H or -CH3,

wherein
$$R^{2s}$$
 is -H or -CH₃,
$$\begin{array}{ccc}
CH - CH \rightarrow & & CH_2CH \rightarrow \\
O - C = O & & & D \geq 6
\end{array}$$

wherein R26 is -H or CH4.

wherein said polymer has an average cationic charge density of [[about]] 0.75 to [[about]] 2.25 units per 100 daltons molecular weight at a pH of [[about]] 4 to [[about]] 12 and a molecular weight of [[about]] 10,000 to [[about]] 100,000 daltons.

7. (Currently amended) A polymer consisting essentially of:

at least one cationic monomeric unit A, capable of having a cationic charge at a pH in the range of from [[about]] 4 to [[about]] 12, having a Formula I:

wherein

R1 is H or an alkyl having 1 to 10 carbon atoms.

R2 is a moiety selected from the group consisting of

wherein R3 is selected from the group consisting of

a is an integer from 0 to 16; b is an integer from 2 to 10; c is an integer from 2 to 10; d is an integer from 1 to 100;

R4 and R5 are independently selected from the group consisting of -H, and

$$-R^8-N$$

 R^8 is independently selected from the group consisting of a bond and an alkylene having 1 to 18 carbon atoms;

 R^2 and R^{10} are independently selected from the group consisting of -H, alkyl having 1 to 10 carbon atoms:

R¹² and R¹³ are independently selected from the group consisting of H and alkyl having from 1 to 10 carbon atoms.

wherein x is an integer from 2 to 10;

B. at least one monomeric unit B selected from the group consisting of:

wherein n is an integer from 1 to 50; and

C. optionally at least one monomeric unit C selected from the group consisting of:

wherein
$$R^{25}$$
 is -H or -CH₃, C_{H_2} C_{H_3} C_{H_2} C_{H_3} and C_{H_2} C_{H_3}

wherein R26 is -H or CH3

wherein the molecular weight of the polymer is in the range of about 10,000 to about 300,000 daltons as determined via conventional gel permeation chromatography.

- (Original) The polymer of Claim 7, wherein said polymer comprises at least one said monomeric unit A, at least one said monomeric unit B and at least one said monomeric unit C.
- (Original) The polymer of Claim 7, wherein said at least one monomeric unit A is selected from the group consisting of:

wherein R30 is H or -CH3,

wherein
$$R^{31}$$
 is a bond or $-C$, and R^{32} and R^{33} are $-CH_3$ or $-C_2H_5$.

10. (Currently Amended) The polymer of Claim 9, wherein said polymer is a terpolymer,

said at least one monomeric unit B is selected from the group consisting of:

wherein R38 is H and

R40 is selected from the group consisting of -CH2CH2-OH and

said terpolymer comprising said at least one monomeric unit C,

wherein the molar ratio of said monomeric unit A: monomeric unit B: monomeric unit C is 1 to 9; 1 to 9; 1; 1 to 6 respectively.

11. (Original) The polymer of Claim 7, wherein the at least one monomeric unit B has the formula:

wherein g ranges from 1 to 12.

12. (Original) The polymer of Claim 11, wherein the polymer is a terpolymer, said at least one monomeric unit A is selected from the group consisting of:

wherein R¹⁰ is H or CH₃,

 R^{11} is a bond or C—, and R^{12} and R^{13} are $-CH_3$ or $-C_2H_5$, and said monomer comprises said at least one monomeric unit C.

- 13. (Previously presented) The polymer of Claim 12, wherein the molar ratio of monomeric unit A: monomeric unit B: monomeric unit C ranges from A: 1 to A: 9 to 3 respectively.
- 14. (Withdrawn) The polymer of Claim 7, wherein said at least one monomeric unit A has a formula selected from the group consisting of:

15. (Withdrawn) The polymer of Claim 7, wherein said at least one monomeric unit A has a formula selected from the group consisting of:

- 16. (Cancelled)
- (Original) The polymer of Claim 7, selected from the group consisting of: poly(HEA-co-DMAM-co-AA) terpolymer, poly(HPA-co-DMAM-co-AA) terpolymer, and poly(PEG-acrylate-co-DMAM-co-AA) terpolymer.
- 18. (Previously Presented) The polymer of Claim 7, is poly(HEA-co-DMAM) copolymer.
 - 19. (Withdrawn and currently amended) A method for cleaning hair or skin comprising

applying an effective amount of a cleaning composition comprising the polymer of Claim 1 and at least one detersive surfactant to hair or skin in need of cleaning, provided that a 10% aqueous solution of said composition has a pH from [[about]] 4 to [[about]] 9.

- (Withdrawn) The method of Claim 19, wherein said composition further comprises
 at least one member of the group consisting of a pearlizing agent, a silicone hair conditioning agent,
 and an antidandruff ingredient.
 - 21. (Withdrawn) The method of Claim 20, wherein said composition comprises:
 - a) said pearlizing agent
 - b) a nonionic surfactant
 - c) an amphoteric surfactant
 - d) a glycol emulsifier
 - e) water.
- 22 (Withdrawn) The method of Claim 20, wherein said composition comprises at least one amphoteric surfactant and said amphoteric surfactant comprises at least one member of the group consisting of:

the alkali salts of alkyl amphodipropionates, alkyl amphodiacetates, alkyl amphoglycinates, alkyl amphopropyl sulfonates and alkyl amphopropionates wherein alkyl represents an alkyl group having 6 to 20 carbon atoms.

- (Withdrawn) The method of Claim 22, wherein in said at least one amphoteric surfactant the alkyl group is derived from ecconut oil or is a lauryl group.
- 24. (Withdrawn) A method for cleaning hair or skin comprising applying an effective amount of a cleaning composition comprising the polymer of Claim 5 and at least one surfactant to hair or skin in need of cleaning.
- (Withdrawn and currently amended) A composition for cleaning hair or skin comprising:

the polymer of Claim 1,

at least one detersive surfactant, and at least one member of the group consisting of a pearlizing agent, a silicone hair conditioning agent, and an antidandruff ingredient, provided that a 10% aqueous solution of said composition has a pH from [[about]] 4 to [[about]] 12.

 (Withdrawn) A composition for cleaning hair or skin comprising: the polymer of Claim 7.

at least one surfactant, and at least one member of the group consisting of a pearlizing agent, a silicone hair conditioning agent, and an antidandruff ingredient.

- 27. (Withdrawn) The composition of Claim 26, wherein said silicone compound is an alpha, omega-trimethylsilyl-polydimethylsioloxane having a viscosity at 25°C of at least 25 centistokes and less than 60,000 centistokes.
- (Withdrawn) A method for washing a fabric article in a washing medium comprising.

applying an effective amount of a laundry cleaning composition comprising the polymer of Claim 1 and at least one detergent surfactant to a fabric article in need of cleaning.

- (Withdrawn) The method of Claim 28, wherein said composition washes a colored fabric article.
- 30. (Withdrawn) The method of Claim 28, wherein said composition comprises at least one member of the group consisting of an aminosilione, a Gemini surfactant, a detergency builder, a bleach, an activator for percompound bleach, a soil suspending agent, a soil antiredeposition agent, a foam suppressant agent and a fabric softener.
- (Withdrawn) The method of Claim 28, wherein said composition comprises a foam suppressant agent.
 - 32. (Withdrawn) A method for washing a fabric article in a washing medium

comprising:

applying an effective amount of a laundry cleaning composition the polymer of Claim 7 and at least one detergent surfactant to a fabric article in need of cleaning.

 (Withdrawn and currently amended) A detergent composition for washing a fabric article comprising:

the polymer of Claim 1;

at least one detergent surfactant; and

at least one member of the group consisting of an aminosilicone, a Gemini surfactant, a detergency builder, a bleach, an activator for percompound bleach, a soil suspending agent, a soil antiredeposition agent, a foam suppressant agent and a fabric softener;

provided that a 10% aqueous solution of said detergent composition has a pH of from [[about]] 4 to [[about]] 12.

- (Withdrawn) A method for extinguishing fire comprising applying a foam to a fire, wherein the foam comprises a foaming agent and a polymer of Claim 1.
- (Withdrawn) A method for treating agricultural substrate selected from the group consisting of plants, soil or seed comprising.

applying to the substrate a foam comprising at least one agricultural chemical selected from the group consisting of a herbicide, a pesticide, and a fungicide, a foaming agent and a polymer of Claim 1.

- (Withdrawn) A method comprising, injecting into a subterranean formation, a foam comprising a foaming agent and a polymer of Claim 1
- 37. (Withdrawn) A method for shaving hair from skin comprising applying foam shaving cream to the skin, said shaving cream comprising a foaming agent and a polymer of Claim
 1
 - 38. (Withdrawn) A method for shaving hair from skin comprising applying a shaving

gel to the skin, said gel comprising a foaming agent and a polymer of Claim 1.

- (Withdrawn) A method comprising applying a dephiliatory foam to skin, said foam comprising a foaming agent and a polymer of Claim 1.
- (Withdrawn) A method of cleaning hard bathroom surfaces comprising applying to said surfaces a foam cleaner comprising a foaming agent and a polymer of Claim 1.
- 41. (Withdrawn) A process for making paper comprising aiding retention of titanium dioxide on the paper during the paper making comprising treating the paper with an aqueous solution comprising titanium dioxide and a polymer of Claim 1.
 - 42. (Cancelled)
 - 43. (Previously Presented) The polymer of Claim 7, consisting of:
 - said at least one cationic monomeric unit A,
 - B at least one monomeric unit B: and
 - C. optionally said at least one monomeric unit C.
- 44. (Currently amended) A polymer according to Claim 7, wherein said polymer has an average a molecular weight of about 35,000 to about 300,000 daltons as determined via conventional gel permeation chromatography.
- 45. (Previously presented) A polymer according to Claim 7, wherein the molar ratio of said monomeric unit A: monomeric unit B: monomeric unit C is 1 to 9 monomeric unit A: 1 to 9 monomeric unit B: 1 to 6 monomeric unit C.
- 46. (Previously presented) A polymer according to Claim 7, wherein the molar ratio of said monomeric unit A: monomeric unit B: monomeric unit C is 1 to 9 monomeric unit A: 1 to 9 monomeric unit B: 1 to 3 monomeric unit C.

- 47. (Previously presented) A polymer according to Claim 7, wherein the molar ratio of said monomeric unit A: monomeric unit B: monomeric unit C is 1 to 3 monomeric unit A; 3 to 9 monomeric unit B: 0 to 1 monomeric unit C.
- 48. (Previously presented) A terpolymer according to claim 47, wherein monomeric unit A is 2-(dimethylamino)ethyl methacrylate, monomeric unit B is selected from the group consisting of 2-hydroxyethyl acrylate, hydroxypropyl acrylate and poly(ethylene glycol) acrylate and monomeric unit C is acrylic acid.